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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/726,797	11/30/2000	Yasser alSafadi	US000338	5695

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EXAMINER

TRAN, QUOC A

ART UNIT PAPER NUMBER

2176

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/726,797	Applicant(s) ALSAFADI ET AL.	
	Examiner Quoc A. Tran	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive o Amendment A, filed 05/20/2004.
2. Claims 1-18 are currently pending in this application. Claims 1, 17 and 18 are independent claims.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. **Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated over Boag et al. US Patent No. 6,589,291 B1 issued 07/08/2003 filed 04/08/1999 (hereinafter '291).**

In regard to independent claim 1, '291 teaches, dynamically determining one or more transformations that may be used to transform an input document in a first notation into a document in a different notation, where the output notation is tailored to (among other things) the target environment where the document will be rendered for

presentation, col. 3, lines 14-19; compare with claim 1 "*determining a content profile associated with the device; generating a conditioned document by applying the content profile to a requested document containing content for presentation at the device*", also taught by '291 at col. 4, lines 40-60 (i.e. ... In one aspect, when the determining has a positive result, the technique may further comprise: caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; and sending the modified input document to the client. When the determining has a negative result, the technique may further comprise: sending the input document to the client following completion of the applying at the server. In another aspect, when the determining step has a positive result, the technique further comprises: caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; trimming the modified input document using a style sheet preprocessor; and sending the trimmed input document to the client. In this aspect, when the determining has a negative result, the technique further comprises sending the input document to the client following completion of the applying at the server);

'291 also teaches, selecting one or more style sheets to transform a particular input document; determining whether a client device is capable of applying the selected style sheets, col. 4, lines 30-33; compare with claim 1 "*determining a Stylesheet associated with the device; and applying the Stylesheet to the conditioned document to generate an output suitable for presentation at the device*".

In regard to dependent claim 2, '291 teaches, The input document may be encoded in Extensible Markup Language (XML), col. 5, lines 8-9; compare with claim 2 *"the retrieved document comprises an extensible mark-up language document"*.

In regard to dependent claim 3, '291 teaches, dynamically determining one or more transformations that may be used to transform an input document in a first notation into a document in a different notation, where the output notation is tailored to (among other things) the target environment where the document will be rendered for presentation, col. 3, lines 14-19; compare with claim 3 *"the steps of determining a schema associated with the device, and generating the conditioned document by applying the content profile and the schema to the requested document"*.

In regard to dependent claim 4, '291 teaches, Filtering style sheets, col. 2, lines 59-63; compare with claim 4 *"the first applying step is implemented in a content conditioner element of the processing device"*.

In regard to dependent claim 5, '291 teaches, "Retrieval of Style Sheets from Directories Based Upon Partial Characteristic Matching", discloses a novel technique for retrieving style sheets from a directory or other repository, based upon a pattern-matching process which uses the characteristics of the style sheets, col. 3, lines 19-24; compare with claim 5 *"a server which stores at least a portion of the requested document"*.

In regard to dependent claim 6, incorporates substantially similar subject matter as cited in claim 1, and therefore is similarly rejected along the same rationale.

In regard to dependent claim 7, '291 teaches, When the second determining has a negative result, the technique further comprises: translating the style sheets at the server to resolve the variable factors; caching the translated style sheets at the server; and modifying the input document to refer to the cached translated style sheets. In addition, the technique further comprises sending the modified input document to the client, col. 3, lines 3-4; compare with claim 7 *"the second applying step is implemented in an extensible Stylesheet language engine element of a server which stores at least a portion of the requested document"*.

In regard to dependent claim 8, '291 teaches, both filtering and rendering. It may happen that complex transformations (that is, application of more than one style sheet) of a document are desirable. The first related invention defines a technique for dynamically determining whether this is the case, and selecting an appropriate set of style sheets to perform a complex transformation, col. 8, lines 12-18; compare with claim 8 *"the content profile for a given device comprises one or more operations and corresponding parameters that are required to condition the requested document content for a desired consumption experience at the processing device"*.

In regard to dependent claim 9, '291 teaches, the technique may further comprise: first determining whether one or more of the selected style sheets requires ... translating the style sheets at the server to resolve the variable factors... and modifying the input document to refer to the cached translated style sheets ... sending the modified input document to the client, col. 4, lines 60-67 through col.5, lines 1-7; compare with claim 9 *"the content profile comprises a summarization program which*

specifies a manner in which summarization information derived from the retrieved document is to be presented at the device”.

In regard to dependent claim 10, '291 teaches, the patterns in the templates are matched against the syntax of the source document. When a match is found with the template pattern, an output document fragment is created according to the actions specified in the template (which may include processing additional elements in the source document beyond the matching element). The source document is parsed recursively, until no more matching patterns are found. The resulting document fragments are then aggregated to yield a complete output document, col. 1, lines 60-67 through col. 2, lines 1-2; compare with claim 10 *“the content profile specifies a maximum percentage of an amount of original text associated with the requested document that is to be presented at the device”.*

In regard to dependent claim 11, '291 teaches, Transcoding filters are software applications that algorithmically reduce the number of bits used to represent information while still retaining its essential content. Such filters are known in the art. For example, a transcoding filter can be applied to an image that was rendered using 256 colors (also known as "8-bit color"), to create a simpler version of the same image, which uses only 16 colors. Or, the image could be converted to grayscale using a different transcoding filter. This type of filtering process greatly reduces the number of bytes in the resulting file, col. 2, lines 33-42; compare with claim 11 *“the output is presented in a visually-perceptible manner on a display of the device”.*

In regard to dependent claims 12- 16, '291 teaches, A user of the present invention may connect his computer to a server using a wireline connection, or a wireless connection. Wireline connections are those that use physical media such as cables and telephone lines, whereas wireless connections use media such as satellite links, radio frequency waves, and infrared waves. Many connection techniques can be used with these various media, such as: using the computer's modem to establish a connection over a telephone line; using a LAN card such as Token Ring or Ethernet; using a cellular modem to establish a wireless connection; etc. The user's computer may be any type of computer processor, including laptop, handheld or mobile computers; vehicle-mounted devices; desktop computers; mainframe computers; etc., having processing (and optionally communication) capabilities. The remote server, similarly, can be one of any number of different types of computer which have processing and communication capabilities. These techniques are well known in the art, and the hardware devices and software which enable their use are readily available. Hereinafter, the user's computer will be referred to equivalently as a "workstation", "device", or "computer", and use of any of these terms or the term "server" refers to any of the types of computing devices described above, col. 6, lines 66-67 through col. 7, lines 1-22; compare with claim 12, 13, 14, 15, and 16: *"the output is presented in an audibly-perceptible manner using a speaker associated with the device", " a desktop or portable personal computer", " a personal digital assistant", " a wireless telephone", " an Internet-enabled television"* .

In regard to independent claim 17, is directed to an apparatus for performing the method of claim 5, and is similarly rejected under the same rationale,

Also is directed to a processor coupled to the memory, the processor being operative for performing the method of claim 1, and is similarly rejected under the same rationale.

In regard to independent claim 18, is directed to a machine-readable storage medium for performing the method of claim 1, and is similarly rejected under the same rationale,

Response to Argument

Applicant's arguments filed 05/20/2004 have been fully considered but they are not persuasive.

In response to applicant's arguments on pages 2, that '291 does not teach determining a content profile associated with a device and generating a conditioned document according to the content profile. That is, '291 merely teaches, applying a style sheet to XML content. The examiner respectfully disagrees, as taught by '291 at col. 4 line 28 through col. 5, line 13 (i.e.... dynamically determining the most appropriate location to apply style sheets... selecting one or more style sheets to transform a particular input document; determining whether a client device is capable of applying the selected style sheets... when the determining has a positive result, the technique may further comprise: caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; and sending the modified input

document to the client... caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; trimming the modified input document using a style sheet preprocessor; and sending the trimmed input document to the client... The input document may be encoded in Extensible Markup Language (XML). The style sheets may be encoded in a style sheet language such as Extensible Stylesheet Language (XSL)...). Further more Applicant's arguments on pages 2-3, '291 discusses problems in the prior art at col. 3, lines 14-19, this section does not disclose, determining a content profile associated with the device and generating a conditioned document according to the content profile. The examiner respectfully disagrees, the arguments have been fully considered but they are not persuasive, as taught by '291 at col. 3, lines 14-19, the problem from prior art was pointing out, and follow by solution, that was taught by '291 at col. 4, lines 30-33 (i.e. selecting one or more style sheets to transform a particular input document; determining whether a client device is capable of applying the selected style sheets...), also clearly taught by '291 at col. 4, lines 40-60 (i.e. ... In one aspect, when the determining has a positive result, the technique may further comprise: caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; and sending the modified input document to the client. When the determining has a negative result, the technique may further comprise: sending the input document to the client following completion of the applying at the server. In another aspect, when the determining step has a positive result, the technique further comprises: caching the selected style sheets at the server; modifying the input document to refer to the cached style sheets; trimming the modified input

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document using a style sheet preprocessor; and sending the trimmed input document to the client. In this aspect, when the determining has a negative result, the technique further comprises sending the input document to the client following completion of the applying at the server). Therefore claims 1, 17, and 18 remain rejected. Since the independent claim 1, is remain rejected leads to the rejection of their dependency claims 2-16 as well.

Conclusion


5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (703) 305-8781. The examiner can normally be reached on Monday through Friday from 8:30AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (703) 305-9792. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



SANJIV SHAH
PRIMARY EXAMINER

Quoc A. Tran
Patent Examiner
Technology Center 2176
July 08, 2004